

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus comprising:

a container having at least one flexible top sheet wall, a fluid receiving port, a fluid discharge port, and a plurality of compartments fluidly coupled to at least one of the fluid receiving port and the fluid discharge port;

wherein the fluid receiving port is configured to receive ~~receives~~ a continuous flow of a biological fluid that includes a target antigen, and wherein the fluid discharge port is configured to emit ~~emits~~ a continuous flow of the biological fluid that is at least partially depleted of from the target antigen while the fluid receiving port receives the continuous flow of the biological fluid;

wherein at least one of the compartments further comprises a plurality of magnetic beads that carry ~~are coupled to~~ an affinity marker that binds the target antigen; and

wherein the target antigen is separated from the biological fluid using a magnetic force and an automatic mechanical force, wherein at least one of the magnetic force and automatic mechanical force is transmitted through the flexible top sheet wall.

2. (Previously Presented) The apparatus of claim 1 wherein at least one of the compartments includes a fluid selected from the group consisting of a buffer, a wash fluid, an isotonic fluid, and an elution fluid.

3. (Previously Presented) The apparatus of claim 1 wherein the affinity marker is selected from the group consisting of an antibody, an antibody fragment, and a lectin.

4. (Previously Presented) The apparatus of claim 1 wherein at least one of the compartments further includes a port that allows draining of the at least one of the compartments.

5. (Previously Presented) The apparatus of claim 1 wherein the biological fluid comprises whole blood.
6. (Previously Presented) The apparatus of claim 1 wherein the target antigen is present on any of a stem cell, a diseased cell, a bacterium, and a virus.